

Title (en)

Optical recording medium having prepits deeper than grooves

Title (de)

Optisches Aufzeichnungsmedium mit Prepits, die tiefer sind als Aufzeichnungsgrillen

Title (fr)

Support d'enregistrement comportant des creux d'en-tête qui sont plus profonds que des sillons d'enregistrement

Publication

**EP 1058241 B1 20060524 (EN)**

Application

**EP 00111758 A 20000602**

Priority

JP 15740699 A 19990604

Abstract (en)

[origin: EP1058241A2] In an optical recording medium in which marks are allowed to be written at grooves(G) and information has been recorded beforehand in the form of prepits(PP), the depth of the grooves, Dg, and the depth of the prepits, Dp, satisfy the following relationships, respectively:  $\langle DF \rangle Dg < \lambda / 8n$ ,  $\langle DF \rangle$  and  $\langle DF \rangle \lambda / 8n < Dp < \lambda / 4n \langle DF \rangle$  where  $\lambda$  is a wavelength of light to be used for recording/reproducing of information signals, and n is an index of refraction of the substrate of the optical recording medium. <IMAGE>

IPC 8 full level

**G11B 7/007** (2006.01); **G11B 7/013** (2006.01); **G11B 7/09** (2006.01); **G11B 7/24079** (2013.01); **G11B 7/24085** (2013.01); **G11B 7/24091** (2013.01); **G11B 11/105** (2006.01)

CPC (source: EP KR US)

**E01F 9/615** (2016.02 - KR); **E01F 9/654** (2016.02 - KR); **E01F 9/688** (2016.02 - KR); **G09F 19/00** (2013.01 - KR); **G11B 7/00718** (2013.01 - EP US); **G11B 7/0938** (2013.01 - EP US); **G11B 11/10578** (2013.01 - EP US); **G11B 7/007** (2013.01 - EP US); **G11B 7/0901** (2013.01 - EP US); **G11B 7/0941** (2013.01 - EP US); **G11B 7/24085** (2013.01 - EP US)

Citation (examination)

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Designated contracting state (EPC)

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